FIGURE 1 HRP Reaction Scheme

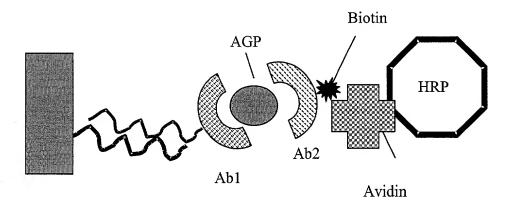
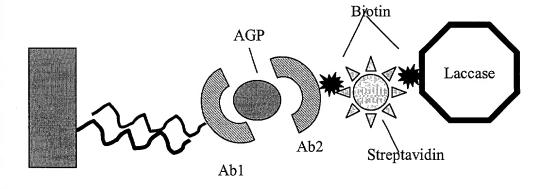


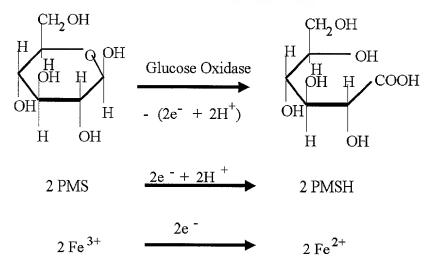
FIGURE 2 Laccase System



β-Galactosidase Reaction Scheme

Further oxidation:

Glucose Oxidase Reaction Scheme



PMS = 5-methyl-phenazinium methyl sulfate

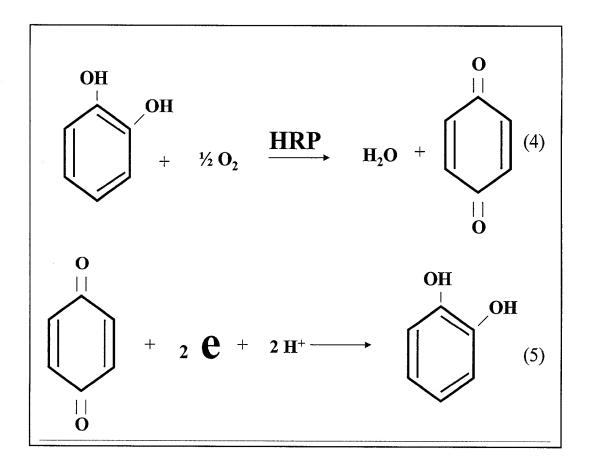


FIGURE 6

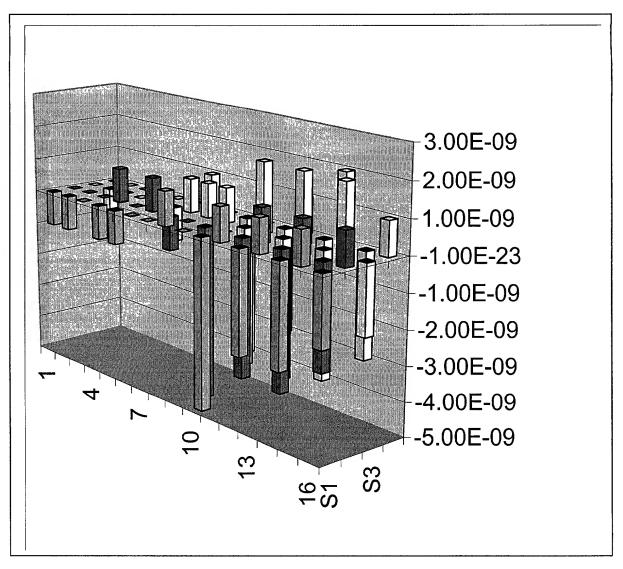
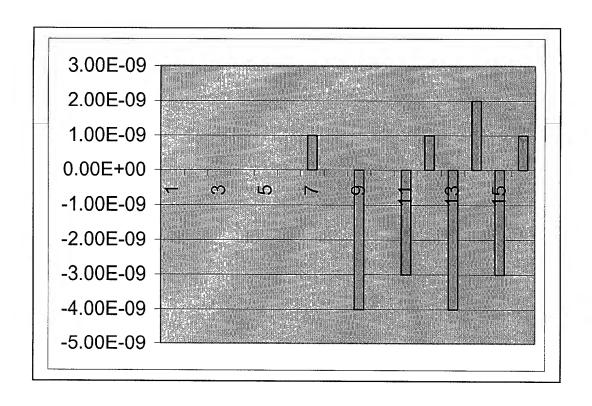


FIGURE 7



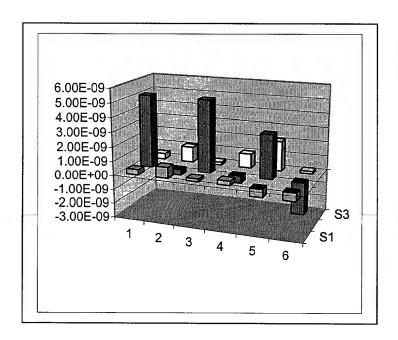


FIGURE 9

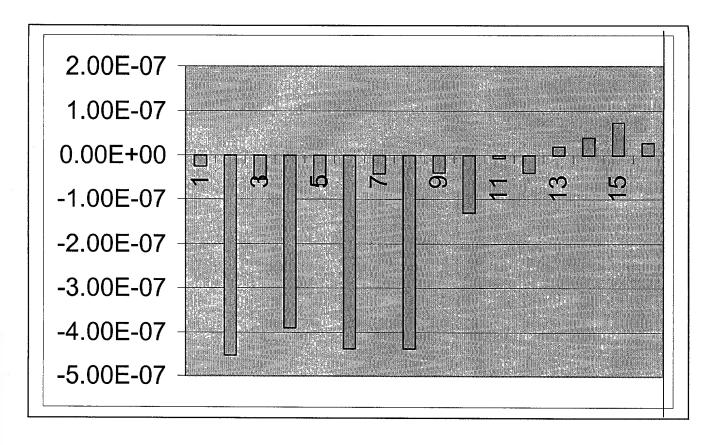


FIGURE 10

